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AGAATCAATGCTGCTCG

1140

TACCTAGTTTCTCCACCA

CGGGCGACACCACAGCG

CTTTGTGCCCGTTCCACC

GTGTACCTCCTCCACAG

GTGTCCTCCTCCAGGAT

TGTTCCCACTGCCCATTC

TTCTATAGAGAGCAAAAC

CAAGAACTTCATACTG

TCCTCAGCTGCTCACAC

GCAAGATCTGCAATGATT

CACCTCCCTATAGACGAT

CACTAAACGTAATGTACC

1920

CCACCCCTTATGACATC

1980

AAGAACGCTACCGGGAAT

2040

CGCGGTGGGAGCTCAACC

2100

CCTCTTAATATCAGAAAT

FIGURE 5



FIGURE 6 (1/5)

60  
 AGGTCCACCACCTCCATCTTACACCTGCTTTCGTTGTGGTAAACCTGGTCATTATATTAAGAAT  
 120  
 TGCCAACAAATGGGGATAAGAACTTTGAATCTGGTCCTAGGATCAAAAAGAGCACTGGAATTCC  
 180  
 TAGAAGTTTTATGATGGAAGTGAAAGATCCTAACATGAAAGGTGCAATGCTTACCAACACTGGA  
 240  
 AAATATGCAATACCAACTATAGATGCAGAGGCCTATGCAATCGGGAAGAAAGAGAAACCACCCT  
 300  
 TCTTACCAGAGGAGCCATCATCATCTTCAGAAGAAGATGATCCTATCCCAGCAGAGCTCTGTG  
 360  
 CCTCATCTGCAAAGACATCATGACTGATGCTGTGGTCATTCCCTGCTGTGGAACAGTTCATGT  
 420  
 GATGAATGTATAAGAACGACACTCTTGGAGTCAGATAAACATACATGTCCAACATGTCACCAAA  
 480  
 ATGATGTTTCTCCTGATGCTTTAATTGCCAACAAAGTTTTTACGACAGGCTGTTAATAACTTTAA  
 540  
 AAATGAAACTGGCTATACAAAACGACTACGAAAACAGTTACCTCCATTTTTATTTTTAGTACCA  
 600  
 CCACCAAGACCACTCAGTCAGCGGAACCTACAGCCTCGTAGTAGATCTCCAATACTAAGACAGC  
 660  
 AGGATCCTGTAGTATTCAGGTACACTGTCTCGCCTACCTGCTCCGATACTAAGACAGCAGGATC  
 720  
 CTGTAGTGATTGAGGTACACTGTCTCGCCTACCTGCTCCGTCTATATCTTCATTAACCTCTAAT  
 780  
 CAGTCTTCCTTGGCCCCCTCCTGTGTCTGGAAATCCGTCTTCTGCTCCAGCTCCAGTACCTGATA  
 840  
 TAACTGCAACCGTGTCTATATCAGTCCACTCAGAAAAATCGGATGGACCTTTTCGGGATTCTGA  
 900  
 TAATAAATTATTGCCAGCTGCCGCCCTTACATCAGAACATTCAAAGGGAGCCTCTTCAATTGCT  
 960  
 1020  
 ATTACTGCTCTTATGGAAGAAAAAGGGGTACCAGGTACCAGTCCTTGGAACCTCATCTTTGTTG  
 1080

FIGURE 6 (2/5)

GACAGTATTACATGGACAGTTGATTCACCAACTGGCCCAAGATCAATGCTGCTCG

1140

TCCAGGTGGTGGCCGGCCAGGCTGGGAGCATTCCAACAAGCTTGGGTACCTAGTTTCTCCACCA

1200

CAGCAAATTAGAAGAGGAGAGAAAGAAGCTGTTACAGAAGTATAAACC GCGGGCGACACCACAGCG

1260

AACGATCACAGAGGACTCAAAGCCCATCACTTCAGCAACTCCATGCTTTGTGCCCGTTCCACC

1320

ACCTCCTTTGTATCCGCCTCCTCCCCATACACTTCCTCTTCTCCAGGTGTACCTCCTCCACAG

1380

TTTTCTCCTCAGTTTCCCTCCTCCAGCCTCCAACAGCAGGATATAGTGTCCCTCCTCCAGGAT

1440

TTCCACCAGCTCCTGCCAATATATCAACAGCTTGCTTTTCACCAGGTGTTCCCACTGCCCATTC

1500

AAATACCATGCCCCACAACAAGCACCTCTTTTGTCCAGGGAAGAATTCTATAGAGAGCAAAAC

1560

GACAAAGGAAGAGAGTCTAAATTTCCCTATAGTGGGT CATCGTATTCAAGAAGTTCATACACTG

1620

ACTCAAGTCAAGGTCTGGCTCAACACATTCACGCTCTTACTCTCAGTCCTTCAGCTGCTCACAC

1680

TCTCGATCTTCTTCACGATCATCCCCATCCTCCAGAAGAGGCAGAGGCAAGATCTGCAATGATT

1740

GTTACATGCCAGATCTCATGGATATCGCCCATGCTAGGTCAAGGTACCTCCCTATAGACGAT

1800

ATCGCTCACGGTCCAGATCTCCTCCAGAATTTAGGGGACAGTCTCCCACTAAACGTAATGTACC

1860

1920

TCGAGAAGAGAAAGAACGTGAGTATTTTAATAGATACAGAGAAGTTCACCCCCTTATGACATC

1980

AAAGCCTATTATGGGCGGAGTGTGCACTTTAGAGACCCATTTGAGAAAGAACGCTACCGGGAAT

2040

GGGAAAGGAAATACCGAGAGTGGTATGAGAAGTACTACAAAGGGTACGCGGTGGGAGCTCAACC

2100

TAGACCCTCAGCCAATAGAGAGGACTTTTCTCCAGAGAGACTCTTACCTCTTAATATCAGAAAT

FIGURE 6 (3/5)

TCACCC TTCACAAGAGGCCG CAGAGAAGACTATGCTGCTGGACAAAGTCATAGAAATAGAAATC  
 2220  
 TAGGTGGCAACTATCCAGAAAAGCTTTCAACAAGGGACAGTCAATGCAAAAGATAATCCAAA  
 2280  
 ATCGAAGGAGAAGGAGAGTGAGAATGTTCCAGGAGACGGCAAAGGGAACAAGCATAAGAAACAC  
 2340  
 AGGAAACGAAGAAACGAAGAAAAGGGGAAGAGAGTGAGAGCTTCCTGAACCCAGAGCTACTGG  
 2400  
 AGACGTCTAGGAAATGCAGGGGATCGTCAGGGATTGATGAAACGAAGACAGATACACTGTTTGT  
 2460  
 TCTCCAAGCAGAGACGATGCTACACCTGTTAGGGATGAGCCAATGGACGCAGAATCGATCACT  
 2520  
 TTCAAGTCAGTATCTGACAAAGACAAGAGGGAAAAGGATAAGCCAAAAGTAAAAAGTGACAAGA  
 2580  
 CCAAACGGAAAAGTGACGGGTCTGCTACAGCCAAGAAAGACAATGTTTTAAACCTTCTAAAGG  
 2640  
 ACCTCAAGAAAAGGTAGATGGAGACCGTGAAAAGTCTCCTCGGTCTGAGCCGCCACTCAAAAAA  
 2700  
 GCCAAAGAGGAGGCTACAAAGATTGACTCTGTAAACCTTCCTCGTCTTCTCAGAAGGATGAGA  
 2760  
 AGGTCACTGGAACCCCTAGAAAAGCCCATTCTAAATCTGCAAAGACACCAGGAGGCAAAGCCA  
 2820 2880  
 GCCAAGGACGAGAAGGTCAAAAAGGACTGTTCCAAAGACATCAAGTCAGAAAAGCCAGCCAGTA  
 2940  
 AGGACGAGAAGGCCAAGAAGCCTGAGAAAAATAAACTACTTGATAGCAAGGGAGAAAAACGAAA  
 3000  
 GAGAAAAACGGAAGAAGAGTGTAGATAAAGATTTTGAGTCGTCTTCAATGAAAATCTCTAAAGT  
 3060  
 AGAAGGAACAGAAATAGTGAAACCATCACCAAACGGAAAATGGAAGGTGATGTTGAAAAGCTG  
 3120  
 GAAAGGACCCAGAAAAGGACAAGATTGCATCATCACTACTCCAGCCAAAAAAATCAAACCTCA  
 3180

7

3240

3300

3360

3420

3480

3540

3600

3660

3720

3780

3840

3900

3960

4020

4080

4140

4200

## FIGURE 6 (5/5)

4260

GCTCGCAATGGGAAAGAGTCCAGTGGTGAAACTGCCATGTATACCTAACCCGCCAGACCTCC

4320

CATGGAGAAGGAGCTGGCTGCTGGGCAGGTGGAGAAGAGCGCCGTCAAGCCGAAACCCAGCTG

4380

AGCCATTCTCGAGGCTTTCCTCTGACCTGACCCGGGAGACGAACGAGGCAGCCTTTGAACCAG

4440

ATTATAATGAGAGCGACAGTGAGAGTAATGTGTCTGTGAAGGAAGAAGAAGCTGTTGCCAGTAT

4500

CTCCAAGGACTTGAAAGAGAAAACAACAGAGAAAGCGAAAGAGAGCTTGACTGTAGCAACGGCC

4560

AGCCAGCCAGGTGCAGACAGGAGCCAGAGCCAAAGTAGCCAGTGTTAGTCAGTAGAGTCATAG

4620

CCTTCGGAGCCAGACCCGAAGCCACAGCAGCAGTGCCAGCTCAGCCGGAAGGCCAGGACAGCAA

4680

AAAGAAGAAGAAGAAGGAGAAGAAAAACGACAAGAAGCATAAAAAGCACAAGAAGCACAAG

4740

4800

AAGCACGCAGGCCGACGGCGACGTGGAGAAGAGCCAGAAACACAAACACAAGAAGAAGAAGGCC

4860

AGAAGAACAAGACAAGGAGAAGGAGAAAGATGACCAAAAGTGAGATCTGTCACTGTGTGAA

4920

GGACGGATGTGTTAATTGACTTAATTACTAAGTCATCTGTATTAAATTCTGTTATAATGTAAAG

4980

AGATTCCAGCCTTGTAATAATGAATGGAAGACCCTGTGCTGCACTTAAAAGTATTTGCTGCTT

5040

GATTATTTCATTTTACATCAGAGCTTTATAACGAACTTTGTACAGAATTGTGAGTTGTGACC

5100

ATGGAACAGTGAGAGGTTTTGCTAGGGCCTATTATTTTAAACCACCATTAAATTAGTTGGGGTGG

5160

AGTTTACTGTACTGTGAAATTTTCATTTGAATTTTTTAATTGCCTGGCAA

[illegible]